## Amendments to the Claims

- (original) A diesel engine having at least one bank of cylinders with at least one inlet valve and at least one exhaust valve per cylinder, comprising:
  - a first camshaft for the inlet valve, said first camshaft controlling the opening of the inlet valve; and
  - a second camshaft for the inlet valve, said second camshaft controlling the closing time of the inlet valve; and
  - a camshaft phasing mechanism coupled to said second camshaft.
- 2. (original) The diesel engine of claim 1 wherein said camshaft phasing mechanism is capable of delaying the closing time of said inlet valve up to 60 crank angle degrees.
- 3. (original) The diesel engine of claim 1 wherein said first and second camshafts are parallel to and adjacent to each other.
- 4. (original) The diesel engine of claim 3, further comprising:
  - a first drive coupled to said first camshaft; and
  - a second drive coupled to said second camshaft wherein said first and second drives are arranged at opposite ends of said parallel camshafts.
- 5. (original) The diesel engine of claim 1, further comprising: an engine timing unit coupled to said camshaft phasing mechanism.
- 6. (original) The diesel engine of claim 5 wherein closing time of said inlet valve is controlled by said engine timing unit controlling said camshaft phasing mechanism.
- 7. (original) The diesel engine of claim 6 wherein said closing time of said inlet valve is adjusted based on an engine speed.
- 8. (original) The diesel engine of claim 6 wherein said closing time of said inlet valve is adjusted based on an engine torque.

- 9. (original) The diesel engine of claim 1, further comprising: a turbocharger coupled the engine.
- 10. (original) The diesel engine of claim 9 wherein said closing time of said inlet valve is adjusted based on a charging pressure of said turbocharger.
- 11. (original) The diesel engine of claim 1 wherein the first camshaft controls opening and closing times of the exhaust valve.
- 12. (original) The diesel engine of claim 1, further comprising: a third camshaft for the exhaust valve, said third camshaft controlling an opening and closing time of the exhaust valve.
- 13. (original) A method for controlling valve timing in a diesel engine, the engine having at least one cylinder and at least one inlet valve and at least one exhaust valve per cylinder, the engine also having a first camshaft for controlling the opening of the inlet valve and a second camshaft for controlling the closing of the inlet valve, the method comprising: adjusting closing time of the inlet valve based on an engine speed wherein said adjustment is effected by a camshaft phaser coupled to the second camshaft.
- 14. (original) The method of claim 13, further comprising: adjusting closing time of the inlet valve based on an engine torque.
- 15. (original) The method of claim 13 wherein the engine has a turbocharger coupled thereto, the method further comprising: adjusting closing time of the inlet valve based on a charging pressure of said turbocharger.
- 16. (original) The method of claim 13 wherein the camshaft phasing mechanism is capable of delaying the closing time of said inlet valve up to 60 crank angle degrees.